Responses to RCO Initial Review Comments Coppei C7

Received from engineers 6/12/2023

Improvements to Make Project Technically Sound (response required)

"The upstream most levee removal area needs clarification on the plan set. The current plan for levee removal and grading appears to be in the same location as the land owners pump and irrigation connection. We looked at this area during the site visit, but could not determine where and to what extent the grading of the berm and bank would occur given the existing infrastructure. Neither the sponsor or the landowner could speak to this detail at the time."

Response: The upstream most levee removal area extends roughly from the western edge of the manicured lot to approximately 50-ft downstream of the confluence of the North Fork and South Fork. This removal area will likely work around some of the existing trees, but cut depths range from approximately 2-ft at the upstream end of the cut down to 1-ft at the downstream end (See Sheet C18 for plan and profile). The pump and irrigation connection, if I remember correctly, is at the downstream extent of this cut where cut depths are shallow, at the next design iteration we will identify the existing infrastructure and note it to be preserved and not to be disturbed. If disturbance is an issue we can end the levee removal cut upstream of the irrigation infrastructure.

"More information is needed on how the existing rock weirs will be enhanced."

Response: The existing rock weirs are in various states of effective operation. Some of them have aggraded to the point where the majority of them are buried by alluvium, others have had some rocks shift or move downstream creating a more porous weir. There is no work proposed directly related to maintenance or reconstruction of these features. Some of these structures will be enhanced with the addition of large woody material in the vicinity to provide cover and additional habitat complexity in the downstream pool.

General Comments (response not required)

"This is a nice project with fine 30% drawings. Existing conditions are good and proposed wood should provide fisheries gains. The creek has abundant shifting gravels and exposed bedrock, so the proposed woody material will likely exert substantial effects on channel morphology. Even small changes to wood placement could result in substantially different outcomes. This seems like a location where the direction provided by the field engineer can play an outsized role on outcome. Protect, and enhance existing good habitat."